

A22625

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Nanog Rabbit mAb

Catalog No.: A22625

Recombinant

1 Publications

Basic Information

Observed MW

37kDa,42kDa

Calculated MW

35kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,ELISA,IF-P

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC58438

Background

The protein encoded by this gene is a DNA binding homeobox transcription factor involved in embryonic stem (ES) cell proliferation, renewal, and pluripotency. The encoded protein can block ES cell differentiation and can also autorepress its own expression in differentiating cells. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:5000 - 1:20000

IF-P 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

79923

Swiss Prot

Q9H9S0

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

NANOG; Nanog

Contact

 www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

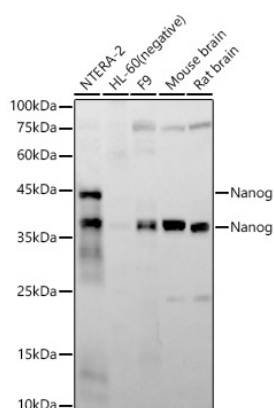
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using Nanog Rabbit mAb (A22625) at 1:10000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

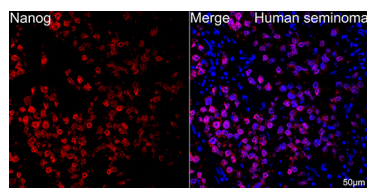
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Negative control (NC): HL-60.

Exposure time: 60s.



Confocal imaging of paraffin-embedded Human seminoma tissue using Nanog Rabbit mAb (A22625, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.